WHAT IS CLAIMED IS:

- 1. A power conversion module comprising:
 - a housing having a proximal end and a distal end;
 - a mechanical stop mounted in the distal end of the housing;
- a moveable piston disposed within the housing that divides the housing into first and second chambers;
- a stack-piezo disposed within the first chamber between the mechanical stop and the piston;
 - a first sealing means disposed between the piston and the housing;
- a shaft extending through an opening in the proximal end of the housing into the interior of the second chamber;
 - a second sealing means disposed between the shaft and the housing; and a non compressible fluid contained within the second chamber.
- 2. The power conversion module of claim 1, wherein the mechanical stop is selected from the group consisting of: a plug, and a spring ring.
- 3. The power conversion module of claim 2, wherein the first sealing means is selected from the group consisting of: a step and seal combination, and a groove and ring seal combination.
- 4. The power conversion module of claim 2, wherein the second chamber further comprises a channel positioned opposite the piston.
- The power conversion module of claim 1, wherein the second sealing means is an o-ring.

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- 6. The power conversion module of claim 5, wherein the o-ring is made of a material selected from the group consisting of: rubber, and a reinforced wax and cotton combination.
- 7. The power conversion module of claim 1 wherein the mechanical stop exerts a bias pressure on the stack-piezo ranging from approximately 1 to 10 newtons.
- 8. The power conversion module of claim 1, wherein the housing is made from a material selected from the group consisting of: hard plastic and metal.
- The power conversion module of claim 1 wherein the non compressible fluid is hydraulic fluid.
- 10. The power conversion module of claim 1, wherein the second chamber has a distal diameter within the range of from approximately 3 millimeters to 50 mm, and the shaft has a diameter in the range of from approximately 0.4 millimeters to 12 millimeters.
- 11. The power conversion module of claim 1 further comprising a biasing means in contact with the proximal end of the shaft, wherein the biasing means exerts pressure on the shaft.
- 12. The power conversion module of claim 11 wherein the biasing means is selected from the group consisting of: a return spring, an air pressure source, and a water pressure source.
- 13. The power conversion module of claim 1 further comprising an electronic driver connected to the stack-piezo with connecting wires.

14. The power conversion module of claim 1, the second chamber further comprising:

at least one front wall;

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a small opening in the proximal end of the front wall; and at least one sidewall;

wherein an angle θ measured between the at least one front wall and at least one side wall is in the range of from 90 degrees to approximately 150 degrees.

- 15. The power conversion module of claim 1 further comprising a shaft guard disposed at the proximal end of the housing having an opening with a diameter slightly larger than a diameter of the shaft, allowing the shaft to move freely through the opening in the shaft guard.
- 16. A power conversion module comprising:
 - a housing;
 - a first chamber containing a stack piezo;
 - a second chamber containing a non compressible fluid comprising at least one front wall having an opening there through; and at least one sidewall; wherein an angle θ measured between the at least one front wall and the at least one side wall is within the range of from approximately

a seal disposed between the first and second chamber; and a shaft extending into the second chamber through the opening;

130 to approximately 150 degrees;

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wherein the stack piezo, sealed chamber, and shaft are longitudinally aligned.

- 17. The power conversion module of claim 16 wherein the angle θ measures 145 degrees.
- 18. The power conversion module of claim 16, further comprising a piston disposed between the stack-piezo and the second chamber.
- 19. The power conversion module of claim 11, further comprising a shaft guard disposed at the proximal end of the housing having an opening with a diameter slightly larger than a diameter of the shaft, allowing the shaft to move freely through the opening in the shaft guard.
- 20. The power conversion module of claim 11 further comprising a third chamber, wherein the biasing means is disposed within the third chamber.
- 21. The power conversion module of 11, wherein the biasing means comprises a lever.
- 22. The power conversion module of claim 11 further comprising:
 an electronic driver electrically connected to the stack-piezo; and
 an additional chamber having the electronic driver disposed therein.
- 23. The power conversion module of claim 1, wherein the shaft has a diameter in the range of from approximately 0.4 millimeters to approximately 12 millimeters.